

Notice of Allowability

Application No.

10/621,354

Examiner

James L. Habermehl

Applicant(s)

YEO ET AL.

Art Unit

2651

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 7 Jul 05.
2. ☒ The allowed claim(s) is/are 1-16 and 18-20, renumbered 1-19 respectively.
3. ☒ The drawings filed on 30 Dec 03 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

Art Unit: 2651

1. This Office action is in response to amendment filed 7 July 2005, which papers have been placed of record in the file.

2. Claims 1-16 and 18-20 are allowed over the prior art of record. The following is a statement of reasons for the indication of allowable subject matter:

Claim 1 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose a method to determine a magnetic head write width comprising writing burst patterns on the adjacent tracks, the adjacent tracks being offtracked by a predetermined percentage toward the target track, as presented in the environment of claim 1. It is noted that the closest prior art, Nunnelly, shows determining magnetic head write width similar to the claimed invention. However, Nunnelly fails to disclose writing burst patterns on the adjacent tracks, the adjacent tracks being offtracked by a predetermined percentage toward the target track as claimed.

Claim 5 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose an apparatus to determine a magnetic head write width comprising writing burst patterns on plural tracks on the disk, creating an offtrack profile, and determining the magnetic write width corresponding to the determined amplitude reduction ratio, as presented in the environment of claim 5. It is noted that the closest prior art, Nunnelly, shows determining magnetic head write width similar to the claimed invention. However, Nunnelly fails to disclose writing burst patterns on plural tracks on the disk, creating an offtrack profile, and determining the magnetic write width corresponding to the determined amplitude reduction ratio as claimed.

Art Unit: 2651

Claim 7 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose a computer readable medium to determine a magnetic head write width comprising writing burst patterns on the adjacent tracks, the adjacent tracks being offtracked by a predetermined percentage toward the target track, as presented in the environment of claim 7. It is noted that the closest prior art, Nunnelly, shows determining magnetic head write width similar to the claimed invention. However, Nunnelly fails to disclose writing burst patterns on the adjacent tracks, the adjacent tracks being offtracked by a predetermined percentage toward the target track as claimed.

Claims 11 and 19 are allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose an apparatus to determine a magnetic head write width comprising creating an offtrack profile and determining the magnetic write width corresponding to the determined amplitude reduction ratio, where the amplitude reduction ratio is determined from the offtrack profile using output signals corresponding to a target track and tracks adjacent to the target track, as presented in the environment of claims 11 and 19. It is noted that the closest prior art, Nunnelly, shows determining magnetic head write width similar to the claimed invention. However, Nunnelly fails to disclose using output signals from plural tracks on the disk, creating an offtrack profile, and determining the magnetic write width corresponding to the determined amplitude reduction ratio as claimed.

Claims 12 and 18 are allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose an apparatus to determine a magnetic head write width comprising writing burst patterns on plural tracks on the disk, creating an offtrack profile, and determining the magnetic write width corresponding to the

Art Unit: 2651

determined amplitude reduction ratio, as presented in the environment of claims 12 and 18. It is noted that the closest prior art, Nunnelly, shows determining magnetic head write width similar to the claimed invention. However, Nunnelly fails to disclose writing burst patterns on plural tracks on the disk, creating an offtrack profile, and determining the magnetic write width corresponding to the determined amplitude reduction ratio as claimed.

Claims 16 and 20 are allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose a method to determine a magnetic head write width comprising creating an offtrack profile and determining the magnetic write width corresponding to the determined amplitude reduction ratio, where the amplitude reduction ratio is determined from the offtrack profile using output signals corresponding to a target track and tracks adjacent to the target track, as presented in the environment of claims 16 and 20. It is noted that the closest prior art, Nunnelly, shows determining magnetic head write width similar to the claimed invention. However, Nunnelly fails to disclose using output signals from plural tracks on the disk, creating an offtrack profile, and determining the magnetic write width corresponding to the determined amplitude reduction ratio as claimed.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to James L. Habermehl whose telephone number is (571)272-7556. The examiner can normally be reached on 8:30-5:00.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Hudspeth can be reached on (571)272-7843. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2651

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Habermehl/jlh
2 Aug 05



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SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600